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NOTICE OF ALLOWANCE AND FEE(S) DUE

20575

7590

02/22/2008

MARGER JOHNSON & MCCOLLOM, P.C. 210 SW MORRISON STREET, SUITE 400 PORTLAND, OR 97204

EXAMINER

NGUYEN, KHANH TUAN

ART UNIT PAPER NUMBER

1796

DATE MAILED: 02/22/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,443	09/28/2006	Jong Woo Lee	4820-022	9055

TITLE OF INVENTION: COMPOSITION FOR COATING ORGANIC ELECTRODE AND METHOD OF MANUFACTURING ORGANIC ELECTRODE HAVING EXCELLENT TRANSPARENCY USING THE COMPOSITION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	05/22/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including ted below or directed other ations.	ng the Patent, advance on the nerwise in Block 1, by (a						correspondence address as trate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/599,443	09/28/2006	•	Jong Woo Lee				4820-022	9055
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUI	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300		\$0		\$1020	05/22/2008
EXAM	MINER	ART UNIT	CLASS-SUBCLASS					
NGUYEN, K	HANH TUAN	1796	252-500000					
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON 			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
PLEASE NOTE: Un	lless an assignee is ident th in 37 CFR 3.11. Comp		data will appear on th	ne pat gan as ITY a	ent. If an assign- ssignment. and STATE OR C	OUNT	'RY)	ocument has been filed for
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	L I	Individual 🖵 Co	orporati	on or other private gro	oup entity Government
			b. Payment of Fee(s): (I		e first reapply ar	ıy prev	iously paid issue fee	shown above)
☐ Issue Fee☐ Publication Fee (No small entity discount permitted)			☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.					
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MARGER JOHN	ISON & MCCOLLO	NGUYEN, KI	HANH TUAN	
	ON STREET, SUITE 4	ART UNIT	PAPER NUMBER	
PORTLAND, OR	97204		1796	
			DATE MAILED: 02/22/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
Notice of Allowability	10/599,443 Examiner	LEE ET AL. Art Unit
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	KHANH T. NGUYEN	1796
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS
1. This communication is responsive to <u>19 December 2007</u> .		
2. The allowed claim(s) is/are <u>1-9</u> .		
3. Acknowledgment is made of a claim for foreign priority una All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the priority documents 4. Copies 4.	been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declara t be submitted. on's Patent Drawing Review (PTO: s Amendment / Comment or in the 0 84(c)) should be written on the drawi	national stage application from the complying with the requirements A'S AMENDMENT or NOTICE OF ation is deficient. -948) attached Office action of ngs in the front (not the back) of
each sheet. Replacement sheet(s) should be labeled as such in the first of the should be labeled as such in the first of the should be labeled as such in the first of the should be labeled as such in the first of the should be labeled as such in the should be labeled as such in the first of the should be labeled as such in the first of the should be labeled as such in the should be labeled as	sit of BIOLOGICAL MATERIAL	must be submitted. Note the
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 12/19/2007 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. ☐ Notice of Informal F 6. ☐ Interview Summary Paper No./Mail Da 7. ☒ Examiner's Amend 8. ☒ Examiner's Statem 9. ☐ Other /Mark Kopec/ Primary Examiner, Art Uni	r (PTO-413), te ment/Comment ent of Reasons for Allowance

Art Unit: 1796

DETAILED ACTION

1. Claims 1-9 are currently pending in the instant application.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 12/19/2007 has been initialed by the Examiner.

EXAMINER'S AMENDMENT

- 3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provide by 37 CFR1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- 4. The application has been amended as follows:

Please amend the title to read –Composition for coating organic electrode and method of manufacturing an organic conductive layer having excellent transparency using the composition–.

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Withdrawn

5. The objection of claims 6 and 9 due to minor informalities is withdrawn in view of Application's amendment. The rejection of claims 1-9 are under 35 U.S.C. 103(a) as being unpatentable over Hirai (U.S. Pub. 2006/0006378 A1) is withdrawn in view of Application's amendment and remark.

Examiner's Statement of Reason for Allowance

- 6. Claims 1-9 are allowed over the prior art of record.
- 7. The following is an examiner's statement of reasons for allowance: The claims, filed on 12/19/2007, have been carefully reviewed and searched. The best prior art of Hirai (U.S. Pub. 2006/0006378 A1) failed to suggest or teach a composition for coating organic conductive layer comprising of a water-soluble organic solvent system within the claimed proportions wherein the sheet resistance of the organic conductive layer ranges from 300 to 900 ohms per square and a visible ray transmittance is more than 90%.

The newly found prior art Nishihara et al. (JP Pub. 08-022722) teaches a transparent conductive film coating comprising of a solvent mixture of amide and sulfoxide to product a low surface resistivity coating. However, Nishihara et al. failed to suggest or teach the coating composition comprising of a blend of PEDOT and PSS

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polymer within the claimed proportion. Hirai and Nishihara et al. alone or in combination failed to suggest or teach a coating composition comprising the claimed ingredients within the claimed proportions having a sheet resistance ranging from 300 to 900 ohms per square and a visible ray transmittance of more than 90%. Therefore, claims 1-9 are allowed over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHANH T. NGUYEN whose telephone number is (571)272-8082. The examiner can normally be reached on Monday-Friday 8:00-5:00 EST PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mark Kopec/ Primary Examiner, Art Unit 1796

KTN 02/10/2008